

SCREENING CRITERIA FOR GROUND WATER AND CLP REFERENCE

LIMITS: Primary Compounds for Wilcox 7-27-16

Analyte	Analytical Method	CASRN	Units	Project Screening Level(4)	CRQLs(5)		
					Low Water by SIM	Trace Water	Low Water
Volatile Organic Compounds							
1,1,2-Trichloroethane	SOM02.3	79-00-5	µg/L	5	--	0.50	5
1,2-Dibromo-3-chloropropane	SOM02.3	96-12-8	µg/L	0.2	--	0.50	5
1,2-Dibromoethane (EDB)	SOM02.3	106-93-4	µg/L	0.05	--	0.50	5
2-Butanone (Methyl Ethyl Ketone)	SOM02.3	78-93-3	µg/L	5,600	--	5	10
Acetone	SOM02.3	67-64-1	µg/L	14,000	--	5	10
Benzene	SOM02.3	71-43-2	µg/L	5	--	0.50	5
Chloroform(6)	SOM02.3	67-66-3	µg/L	80	--	0.50	5
Ethylbenzene	SOM02.3	100-41-4	µg/L	700	--	0.50	5
Isopropylbenzene (Cumene)	SOM02.3	98-82-8	µg/L	450	--	0.50	5
Methylcyclohexane	SOM02.3	108-87-2	µg/L	13000	--	0.50	5
Methylene Chloride	SOM02.3	75-09-2	µg/L	5	--	0.50	5
Toluene	SOM02.3	108-88-3	µg/L	1,000	--	0.50	5
m,p-Xylene	SOM02.3	179601-	µg/L	10,000	--	0.50	5
o-Xylene	SOM02.3	95-47-6	µg/L	190	--	0.50	5
Semivolatile Organic Compounds							
1,1'-Biphenyl	SOM02.3	92-52-4	µg/L	0.83	--	--	5
1,4-Dioxane	SOM02.3	123-91-1	µg/L	0.46	--	--	2
2,4-Dimethylphenol	SOM02.3	105-67-9	µg/L	360	--	--	5
2,4-Dinitrophenol	SOM02.3	51-28-5	µg/L	39	--	--	10
2,4-Dinitrotoluene	SOM02.3	121-14-2	µg/L	0.24	--	--	5
2,6-Dinitrotoluene	SOM02.3	606-20-2	µg/L	0.049	--	--	5
2-Methylnaphthalene	SOM02.3	91-57-6	µg/L	36	0.1	--	5
2-Methylphenol	SOM02.3	95-48-7	µg/L	930	--	--	10
3,3'-Dichlorobenzidine	SOM02.3	91-94-1	µg/L	0.13	--	--	5
4,6-Dinitro-2-methylphenol	SOM02.3	534-52-1	µg/L	1.5	--	--	10
4-Methylphenol	SOM02.3	106-44-5	µg/L	1,900	--	--	10
Acenaphthene	SOM02.3	83-32-9	µg/L	530	0.1	--	5
Dibenzofuran	SOM02.3	132-64-9	µg/L	7.9	--	--	5
Naphthalene	SOM02.3	91-20-3	µg/L	0.17	--	--	5
Phenanthrene	SOM02.3	85-01-8	µg/L	120	0.1	--	5
Phenol	SOM02.3	108-95-2	µg/L	5,800	NS	--	10

Pyrene	SOM02.3	129-00-0	µg/L	120	0.1	--	5
Polycyclic Aromatic Hydrocarbons							
Anthracene	SOM02.3	120-12-7	µg/L	1,800	0.1	--	5
Benzo(a)anthracene	SOM02.3	56-55-3	µg/L	0.012	0.1	--	5
Benzo(a)pyrene	SOM02.3	50-32-8	µg/L	0.2	0.1	--	5
Benzo(b)fluoranthene	SOM02.3	205-99-2	µg/L	0.034	0.1	--	5
Benzo(g,h,i)perylene	SOM02.3	191-24-2	µg/L	120.00	0.1	--	5
Benzo(k)fluoranthene	SOM02.3	207-08-9	µg/L	0.34	0.1	--	5
Chrysene	SOM02.3	218-01-9	µg/L	3.4	0.1	--	5
Dibenz(a,h)anthracene	SOM02.3	53-70-3	µg/L	0.0034	0.1	--	5
Fluoranthene	SOM02.3	206-44-0	µg/L	800	0.1	--	10
Fluorene	SOM02.3	86-73-7	µg/L	290	0.1	--	5
Indeno(1,2,3-cd)pyrene	SOM02.3	193-39-5	µg/L	0.034	0.1	--	5
Naphthalene	SOM02.3	91-20-3	µg/L	0.17	0.1	--	5
Phenanthrene	SOM02.3	85-01-8	µg/L	120.00	0.1	--	5
Pyrene	SOM02.3	129-00-0	µg/L	120	0.1	--	5
2-Methylnaphthalene	SOM02.3	91-57-6	µg/L	36	0.1	--	5
ICP-MS Metals (7)							
Aluminum	ISM02.3	7429-90-5	µg/L	20000	--	--	20
Antimony	ISM02.3	7440-36-0	µg/L	6	--	--	2
Arsenic	ISM02.3	7440-38-2	µg/L	10	--	--	1
Beryllium	ISM02.3	7440-41-7	µg/L	4	--	--	1
Cadmium	ISM02.3	7440-43-9	µg/L	20	--	--	1
Chromium	ISM02.3	7440-47-3	µg/L	100	--	--	2
Cobalt	ISM02.3	7440-48-4	µg/L	6	--	--	1
Iron	ISM02.3	7439-89-6	µg/L	14,000	--	--	200
Lead	ISM02.3	7439-92-1	µg/L	15	--	--	1
Manganese	ISM02.3	7439-96-5	µg/L	430	--	--	1
Nickel	ISM02.3	7440-02-0	µg/L	390	--	--	1
Selenium	ISM02.3	7782-49-2	µg/L	50	--	--	5
Silver	ISM02.3	7440-22-4	µg/L	50	--	--	1
Thallium	ISM02.3	7440-28-0	µg/L	2	--	--	1
Vanadium	ISM02.3	7440-62-2	µg/L	86	--	--	5
Miscellaneous							
Cyanide	ISM02.3	57-12-5	µg/L	200	--	--	10
Hexavalent Chromium (EPA Region 6 Lab)	EPA 218.6	18540-29-	µg/L	0.035	--	--	--
Mercury	ISM02.3	7439-97-6	µg/L	2	--	--	0.2

NOTES:

SCREENING CRITERIA FOR SOIL AND CLP REFERENCE LIMITS: Primary Compounds for
Wlcox 2-9-18

Analyte	Analytical Method	CASRN	Units	Project Screening Level(5)	CRQL (6)		
					Low Soil by SIM	Low Soil	Medium Soil
Volatile Organic Compounds (VOCs)							
1,1,2,2-Tetrachloroethane	SOM02.3	79-34-5	mg/kg	0.127	--	0.005	0.25
1,2-Dibromo-3-chloropropane	SOM02.3	96-12-8	mg/kg	0.0053	--	0.005	0.25
1,2-Dibromoethane (EDB)	SOM02.3	106-93-4	mg/kg	0.036	--	0.005	0.25
1,2-Dichlorobenzene	SOM02.3	95-50-1	mg/kg	0.01	--	0.005	0.25
1,2-Dichloroethane	SOM02.3	107-06-2	mg/kg	0.02	--	0.005	0.25
1,2-Dichloropropane	SOM02.3	78-87-5	mg/kg	0.002	--	0.005	0.25
2-Butanone (Methyl ethyl ketone)	SOM02.3	78-93-3	mg/kg	35	--	0.01	0.5
Acetone	SOM02.3	67-64-1	mg/kg	2.5	--	0.01	0.5
Benzene	SOM02.3	71-43-2	mg/kg	0.01	--	0.005	0.25
Bromodichloromethane	SOM02.3	75-27-4	mg/kg	0.29	--	0.005	0.25
Carbon Tetrachloride	SOM02.3	56-23-5	mg/kg	0.4	--	0.005	0.25
Chloroform	SOM02.3	67-66-3	mg/kg	0.001	--	0.005	0.25
Cyclohexane	SOM02.3	110-82-7	mg/kg	6,500	--	0.005	0.25
Ethylbenzene	SOM02.3	100-41-4	mg/kg	0.03	--	0.005	0.25
Isopropylbenzene (Cumene)	SOM02.3	98-82-8	mg/kg	1,900	--	0.005	0.25
Methylcyclohexane	SOM02.3	108-87-2	mg/kg	6,500	--	0.005	0.25
Tetrachloroethene	SOM02.3	127-18-4	mg/kg	0.002	--	0.005	0.25
Toluene	SOM02.3	108-88-3	mg/kg	0.01	--	0.005	0.25
Trichloroethene	SOM02.3	79-01-6	mg/kg	0.001	--	0.005	0.25
Vinyl Chloride	SOM02.3	75-01-4	mg/kg	0.01	--	0.005	0.25
m,p-Xylene	SOM02.3	179601-23-1	mg/kg	580	--	0.005	0.25
o-Xylene	SOM02.3	95-47-6	mg/kg	0.1	--	0.005	0.25
Semivolatile Organic Compounds (SVOCs)							
1,1'-Biphenyl	SOM02.3	92-52-4	mg/kg	47	--	0.17	5
1,4-Dioxane	SOM02.3	123-91-1	mg/kg	2.05	--	0.067	2
2,2'-Oxybis (1-chloropropane)	SOM02.3	108-60-1	mg/kg	19.9	--	0.33	10
2,4-Dimethylphenol	SOM02.3	105-67-9	mg/kg	0.01	--	0.17	5
2,4-Dinitrotoluene	SOM02.3	121-14-2	mg/kg	1.28	--	0.17	5
2,6-Dinitrotoluene	SOM02.3	606-20-2	mg/kg	0.033	--	0.17	5
2-Methylnaphthalene	SOM02.3	91-57-6	mg/kg	3.24	0.0033	0.17	5
2-Methylphenol	SOM02.3	95-48-7	mg/kg	0.5	--	0.33	10
3,3'-Dichlorobenzidine	SOM02.3	91-94-1	mg/kg	0.646	--	0.33	10
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	SOM02.3	534-52-1	mg/kg	0.144	--	0.33	10
4-Chloroaniline	SOM02.3	106-47-8	mg/kg	0.03	--	0.33	10
4-Chlorophenyl-phenylether	SOM02.3	7005-72-3	mg/kg	NS	--	0.17	5
4-Methylphenol	SOM02.3	106-44-5	mg/kg	0.05	--	0.33	10
Anthracene	SOM02.3	120-12-7	mg/kg	0.1	0.0033	0.17	5
Atrazine	SOM02.3	1912-24-9	mg/kg	0.00005	--	0.33	10
Benzo(a)anthracene	SOM02.3	56-55-3	mg/kg	0.16	0.0033	0.17	5
Benzo(a)pyrene	SOM02.3	50-32-8	mg/kg	0.016	0.0033	0.17	5
Benzo(b)fluoranthene	SOM02.3	205-99-2	mg/kg	0.16	0.0033	0.17	5
Benzo(g,h,i)perylene	SOM02.3	191-24-2	mg/kg	1.1	0.0033	0.17	5
Benzo(k)fluoranthene	SOM02.3	207-08-9	mg/kg	1.1	0.0033	0.17	5
Chrysene	SOM02.3	218-01-9	mg/kg	1.1	0.0033	0.17	5
Dibenz(a,h)anthracene	SOM02.3	53-70-3	mg/kg	0.016	0.0033	0.17	5
Dibenzofuran	SOM02.3	132-64-9	mg/kg	73	--	0.17	5
Fluoranthene	SOM02.3	206-44-0	mg/kg	0.1	0.0033	0.33	10
Fluorene	SOM02.3	86-73-7	mg/kg	29	0.0033	0.17	5
Hexachlorobenzene	SOM02.3	118-74-1	mg/kg	0.0025	--	0.17	5
Hexachlorobutadiene	SOM02.3	87-68-3	mg/kg	0.04	--	0.17	5
Hexachlorocyclopentadiene	SOM02.3	77-47-4	mg/kg	0.755	--	0.33	10
Hexachloroethane	SOM02.3	67-72-1	mg/kg	0.596	--	0.17	--
Indeno(1,2,3-cd)pyrene	SOM02.3	193-39-5	mg/kg	0.16	0.0033	0.17	5
Naphthalene	SOM02.3	91-20-3	mg/kg	0.099	0.0033	0.17	5
Phenanthrene	SOM02.3	85-01-8	mg/kg	0.1	0.0033	0.17	5
Phenol	SOM02.3	108-95-2	mg/kg	0.05	--	0.33	10
Pyrene	SOM02.3	129-00-0	mg/kg	0.1	0.0033	0.17	5

Organochlorine Pesticides							
Aldrin	SOM02.3	309-00-2	mg/kg	0.00006	--	0.0017	--
Alpha BHC	SOM02.3	319-84-6	mg/kg	0.0025	--	0.0017	--
Beta BHC	SOM02.3	319-85-7	mg/kg	0.001	--	0.0017	--
Dieldrin	SOM02.3	60-57-1	mg/kg	0.0005	--	0.0033	--
Endrin	SOM02.3	72-20-8	mg/kg	0.00004	--	0.0033	--
Gamma BHC - Lindane	SOM02.3	58-89-9	mg/kg	0.00005	--	0.0017	--
Toxaphene	SOM02.3	8001-35-2	mg/kg	0.119	--	0.17	--
p,p-DDT	SOM02.3	50-29-3	mg/kg	0.0035	--	0.0033	--
TAL Metals ICP-MS							
Antimony	ISM02.3	7440-36-0	mg/kg	0.14	--	1	--
Arsenic	ISM02.3	7440-38-2	mg/kg	0.68	--	0.5	--
Barium	ISM02.3	7440-39-3	mg/kg	1	--	5	--
Cadmium	ISM02.3	7440-43-9	mg/kg	0.0022	--	0.5	--
Chromium	ISM02.3	7440-47-3	mg/kg	0.4	--	1	--
Cobalt	ISM02.3	7440-48-4	mg/kg	0.14	--	0.5	--
Lead	ISM02.3	7439-92-1	mg/kg	0.054	--	0.5	--
Selenium	ISM02.3	7782-49-2	mg/kg	0.028	--	2.5	--
Thallium	ISM02.3	7440-28-0	mg/kg	0.057	--	0.5	--
Vanadium	ISM02.3	7440-62-2	mg/kg	1.6	--	2.5	--
Miscellaneous							
Cyanide	ISM02.3	57-12-5	mg/kg	2.7	--	0.5	--
Mercury	ISM02.3	7439-97-6	mg/kg	0.1	--	0.1	--
NOTES:							